

HYDRAULIC ACTUATOR ASSEMBLY WITH ROTATION RESTRAINT

Abstract

A hydraulic actuator assembly comprises a pair of hydraulic actuators having cylinders, pistons, and piston rods that are ganged together for extension of their respective piston rods in longitudinally opposite directions wherein at least one of the actuators comprises an anti-rotation mechanism that prevents rotation of the actuator assembly about its longitudinal axis. The anti-rotation mechanism comprises an axial anti-rotation rod rigidly attached to a cylinder having a non-circular cross-section slidably complementary to a non-circular aperture in a hollow piston rod. The piston rod can travel longitudinally along the anti-rotation rod, but is prevented from rotating by the non-circular cross-section.